

Fig. 2

PRL5-CAT

5'GGGAAATTGTAAGCGTTAATATTTTGTTAAAATTCGCGTTAAAATTTTTGTTA **AATCAGCTCATTTTTTAACCAATAGGCCGAAATCGGCAAAATCCCTTATAAAT** CAAAAGAATAGACCGAGATAGGGTTGAGTGTTGTTCCAGTTTGGAACAAGAG TCCACTATTAAAGAACGTGGACTCCAACGTCAAAGGGCGAAAAACCGTCTAT CAGGGCGATGGCCCACTACGTGAACCATCACCCTAATCAAGTTTTTTGGGGTC GAGGTGCCGTAAAGCACTAAATCGGAACCCTAAAGGGAGCCCCCGATTTAGA GAAAGGAGCGGCGCTAGGGCGCTGGCAAGTGTAGCGGTCACCGCTGCGCGT **AACCACCACCCGCCGCGCTTAATGCGCCGCTACAGGGCGCGTCAGGTGGC ACTTTTCGGGGAAATGTGCGCGGAACCCCTATTTGTTTATTTTTCTAAATACA TTCAAATATGTATCCGCTCATGAGACAATAACCCTGATAAATGCTTCAATAAT ATTGAAAAGGAAGAGTATGAGTATTCAACATTTCCGTGTCGCCCTTATTCCC** TTTTTTGCGGCATTTTGCCTTCCTGTTTTGCTCACCCAGAAACGCTGGTGAAA **GTAAAAGATGCTGAAGATCAGTTGGGTGCACGAGTGGGTTACATCGAACTGG ATCTCAACAGCGGTAAGATCCTTGAGAGTTTTCGCCCCGAAGAACGTTTTCCA ATGATGAGCACTTTTCGACCGAATAAATACCTGTGACGGAAGATCACTTCGC AGAATAAATAAATCCTGGTGTCCCTGTTGATACCGGGAAGCCCTGGGCCAAC** TTTTGGCGAAAATGAGACGTTGATCGGCACGTAAGAGGTTCCAACTTTCACC **ATAATGAAATAAGATCACTACCGGGCGTATTTTTTGAGTTGTCGAGATTTTCA** GGAGCTAAGGAAGCTAAAATGGAGAAAAAAATCACTGGATATACCACCGTT TCAATGTACCTATAACCAGACCGTTCAGCTGGATATTACGGCCTTTTTAAAGA CCGTAAAGAAAATAAGCACAAGTTTTATCCGGCCTTTATTCACATTCTTGCC CGCCTGATGAATGCTCATCCGGAATTACGTATGGCAATGAAAGACGGTGAGC TGGTGATATGGGATAGTGTTCACCCTTGTTACACCGTTTTCCATGAGCAAACT GAAACGTTTTCATCGCTCTGGAGTGAATACCACGACGATTTCCGGCAGTTTCT ACACATATATTCGCAAGATGTGGCGTGTTACGGTGAAAACCTGGCCTATTTCC CTAAAGGGTTTATTGAGAATATGTTTTTCGTCTCAGCCAATCCCTGGGTGAGT TTCACCAGTTTTGATTTAAACGTGGCCAATATGGACAACTTCTTCGCCCCCGT TTTCACCATGGGCAAATATTATACGCAAGGCGACAAGGTGCTGATGCCGCTG GCGATTCAGGTTCATCATGCCGTTTGTGATGGCTTCCATGTCGGCAGAATGCT TAATGAATTACAACAGTACTGCGATGAGTGGCAGGGCGGGGCGTAATTTTTT TAAGGCAGTTATTGGTGCCCTTAAACGCCTGGTTGCTACGCCTGAATAAGTGA TAATAAGCGGATGAATGGCAGAAATTCGAAAGCAAATTCGACCCGGTCGTCG **GTTCAGGGCAGGGTCGTTAAATAGCCGCTTATGTCTATTGCTGGTTTACCGGT** TTATTGACTACCGGAAGCAGTGTGACCGTGTGCTTCTCAAATGCCTGAGGCCA **GTTTGCTCAGGCTCTCCCCGTGGAGGTAATAATTGACGATATGATCCTTTTTT** TCTGATCAAAAAGGATCTAGGTGAAGATCCTTTTTGATAATCTCATGACCAAA **ATCCCTTAACGTGAGTTTTCGTTCCACTGAGCGTCAGACCCCGTAGAAAAGAT** CAAAGGATCTTCTTGAGATCCTTTTTTTTCTGCGCGTAATCTGCTGCTTGCAAA CAAAAAACCACCGCTACCAGCGGTGGTTTGTTTGCCGGATCAAGAGCTACC **AACTCTTTTTCCGAAGGTAACTGGCTTCAGCAGAGCGCAGATACCAAATACT** GTCCTTCTAGTGTAGCCGTAGTTAGGCCACCACTTCAAGAACTCTGTAGCACC GCCTACATACCTCGCTCTGCTAATCCTGTTACCAGTGGCTGCTGCCAGTGGCG

ATAAGTCGTGTCTTACCGGGTTGGACTCAAGACGATAGTTACCGGATAAGGC GCAGCGGTCGGGCTGAACGGGGGGTTCGTGCACACAGCCCAGCTTGGAGCGA ACGACCTACACCGAACTGAGATACCTACAGCGTGAGCTATGAGAAAGCGCCA CGCTTCCCGAAGGGAGAAAGGCGGACAGGTATCCGGTAAGCGGCAGGGTCG GAACAGGAGAGCGCACGAGGGAGCTTCCAGGGGGAAACGCCTGGTATCTTT **ATAGTCCTGTCGGGTTTCGCCACCTCTGACTTGAGCGTCGATTTTTGTGATGC** TCGTCAGGGGGGCGGAGCCTATGGAAAAACGCCAGCAACGCGGCCTTTTTAC GGTTCCTGGCCTTTTGCTGGCCTTTTGCTCACATGTTCTTTCCTGCGTATCCC CTGATTCTGTGGATAACCGTATTACCGCCTTTGAGTGAGCTGATACCGCTCGC CGCAGCCGAACGACCGAGCGAGCGAGTCAGTGAGCGAGGAAGCGGAAGAG CGCCCAATACGCAAACCGCCTCTCCCCGCGCGTTGGCCGATTCATTAATGCA GCTGGCACGACAGGTTTCCCGACTGGAAAGCGGGCAGTGAGCGCAACGCAAT TAATGTGAGTTAGCTCACTCATTAGGCACCCCAGGCTTTACACTTTATGCTTC CGGCTCGTATGTTGTGTGGAATTGTGAGCGGATAACAATTGAATTCAGGAGG CGCTACCGTGGCCCAGGCGGCCGAGCTCGACTGCACTGGATGGTGGCGCTGG **ATGGTAAGCCGCTGGCAAGCGGTGAAGTGCCTCTGGATGTCGCTCCACAAGG** TAAACAGTTGATTGAACTGCCTGAACTACCGCAGCCGGAGAGCGCCGGGCAA CTCTGGCTCACAGTACGCGTAGTGCAACCGAACGCGACCGCATGGTCAGAAG CCGGGCACATCAGCGCCTGGCAGCAGTGGCGTCTGGCGGAAAACCTCAGTGT GACGCTCCCCGCCGCGTCCCACGCCATCCCGCATCTGACCACCAGCGAAATG GATTTTTGCATCGAGCTGGGTAATAAGCGTTGGCAATTTAACCGCCAGTCAG GCTTTCTTCACAGATGTGGATTGGCGATAAAAAACAACTGCTGACGCCGCT GCGCGATCAGTTCACCCGTGCACCGCTGGATAACGACATTGGCGTAAGTGAA GCGACCCGCATTGACCCTAACGCCTGGGTCGAACGCTGGAAGGCGGCGGGCC **ATTACCAGGCCGAAGCAGCGTTGTTGCAGTGCACGGCAGATACACTTGCTGA** TGCGGTGCTGATTACGACCGCTCACGCGTGGCAGCATCAGGGGAAAACCTTA TTTATCAGCCGGAAAACCTACCGGATTGATGGTAGTGGTCAAATGGCGATTA CCGTTGATGTTGAAGTGGCGAGCGATACACCGCATCCGGCGCGGATTGGCCT GAACTGCCAGCTGGCGCAGGTAGCAGAGCGGGTAAACTGGCTCGGATTAGG GCCGCAAGAAAACTATCCCGACCGCCTTACTGCCGCCTGTTTTGACCGCTGGG **ATCTGCCATTGTCAGACATGTATACTGGCTGCACCATCTGTCTTCATCTTCCC** GCCATCTGATGAGCAGTTGAAATCTGGAACTGCCTCTGTTGTGTGCCTGCTGA **ATAACTTCTATCCCAGAGAGGCCAAAGTACAGTGGAAGGTGGATAACGCCCT** CCAATCGGGTAACTCCCAGGAGAGTGTCACAGAGCAGGACAGCAAGGACAG CACCTACAGCCTCAGCAGCACCCTGACGCTGAGCAAAGCAGACTACGAGAAA CACAAAGTATATGCCTGCGAAGTCACCCATCAGGGCCTGAGCTTGCCCGTCA **ATTTAAAATGAAATACCTATTGCCTACGGCAGCCGCTGGATTGTTATTACTCG** CTGCCCAACCAGCCATGGCCCTCGAGCTGATGAGCCATGGAAGCTGTGTCGC CTGCACCAGGCTCCCACGGCTCGTGGTGCGGTGCGCTTCTGGTGTTCGCTGCC TACAGCCGACACGTCGAGCTTCGTGCCCCTAGAGTTGCGCGTCACAGCAGCC TCCGGCGCTCCGCGATATCACCGTGTCATCCACATCAATGAAGTAGTGCTCCT AGACGCCCCGTGGGGCTGGTGGCGCGTTGGCTGACGAGAGCGGCCACGTA **GTGTTGCGCTGGCTCCCGCCGCCTGAGACACCCATGACGTCTCACATCCGCTA** CGAGGTGGACGTCTCGGCCGCAACGGCGCAGGGAGCGTACAGAGGGTGGA

GATCCTGGAGGGCCGCACCGAGTGTGTGCTGAGCAACCTGCGGGGCCGGACG CGCTACACCTTCGCCGTCCGCGCGCGTATGGCTGAGCCGAGCTTCGGCGGCTT CTGGAGCGCCTGGTCGGAGCCTGTGTCGCTGACGCCTAGCGACCTGGAC CCCCTCATCCTGACGCTCTCCCTCATCCTCGTGGTCATCCTGGTGCTGAC CGTGCTCGCGCTGCTCTCCCACCGCCGGGCTCTGAAGCAGAAGATCTGGCCT GTAACTTCCAGCTGTGGCTGTACCAGAATGATGGCTGCCTGTGGTGGAGCCC CTGCACCCCTTCACGGAGGACCCACCTGCTTCCCTGGAAGTCCTCTCAGAGC GCTGCTGGGGGACGATGCAGGCAGTGGAGCCGGGGACAGATGATGAGGGCC CATCGGTCTTCCCCCTGGCACCCTCCTCCAAGAGCACCTCTGGGGGCACAGC GGCCCTGGGCTGGTCAAGGACTACTTCCCCGAACCGGTGACGGTGTCG TGGAACTCAGGCGCCCTGACCAGCGGCGTGCACACCTTCCCGGCTGTCCTAC **AGTCCTCAGGACTCTACTCCCTCAGCAGCGTGGTGACCGTGCCCTCCAGCAG** CTTGGGCACCCAGACCTACATCTGCAACGTGAATCACAAGCCCAGCAACACC AAGGTGGACAAGAAGTTGAGCCCAAATCTTGTGACAAAACTAGTGGCCAG GCCGGCCAGCACCATCACCATGCCGCATACCCGTACGACGTTCCGG ACTACGCTTCTTAGGAGGGTGGTGGCTCTGAGGGTGGCGGTTCTGAGGGTGG CGGCTCTGAGGGAGGCGGTTCCGGTGGTGGCTCTGGTTCCGGTGATTTTGATT **ATGAAAGATGGCAAACGCTAATAAGGGGGCTATGACCGAAAATGCCGATG AAAACGCGCTACAGTCTGACGCTAAAGGCAAACTTGATTCTGTCGCTACTGA** TTACGGTGCTGCTATCGATGGTTTCATTGGTGACGTTTCCGGCCTTGCTAATG GTAATGGTGCTACTGGTGATTTTGCTGGCTCTAATTCCCAAATGGCTCAAGTC GGTGACGGTGATAATTCACCTTTAATGAATAATTTCCGTCAATATTTACCTTC CCTCCCTCAATCGGTTGAATGTCGCCCTTTTGTCTTTAGCGCTGGTAAACCAT ATGAATTTTCTATTGATTGTGACAAAATAAACTTATTCCGTGGTGTCTTTGCG TTTCTTTTATATGTTGCCACCTTTATGTATGTATTTTCTACGTTTGCTAACATA CTGCGTAATAAGGAGTCTTAAGCTAGCTAATTAATTTAAGCGGCCGCAGATC T3'

(SEQ. ID No. 1) Ssp I	
GGGAAATTGTAAGCGTTAATATTTTGTTAAAATTCGCGTTAAATTTTTGTTAAATCAGC	
GGGAAATTGTAAGCGTTAATATTTTGTTAAAATTCGCGTTAAATTTTTGTTAAATCAGC	59
Psi I	
TCATTTTTTAACCAATAGGCCGAAATCGGCAAAATCCCTTATAAATCAAAAGAATAGAC	
	118
$\tt CGAGATAGGGTTGAGTGTTCCAGTTTGGAACAAGAGTCCACTATTAAAGAACGTGG$	
.	177
Ade I Drd I Dra III	
 ACTCCAACGTCAAAGGGCGAAAAACCGTCTATCAGGGCGATGGCCCACTACGTGAACCA	
	236
TCACCCTAATCAAGTTTTTTGGGGTCGAGGTGCCGTAAAGCACTAAATCGGAACCCTAA	295
	293
NgoM IV Nae I	
AGGGAGCCCCCGATTTAGAGCTTGACGGGGAAAGCCCGGCGAACGTGGCGAGAAAGGAAG	354
BsrBI MbiI	
GGAAGAAGCGAAAGGAGCGCGCTAGGGCGCTGGCAAGTGTAGCGGTCACGCTGCGC	
	413

Fig. 4A

$\tt GTAACCACCACCCCGCCGCGCTTAATGCGCCGCTACAGGGCGCGTCAGGTGGCACTTT$	
.	472
TCGGGGAAATGTGCGCGGAACCCCTATTTGTTTATTTTTCTAAATACATTCAAATATGT	
	531
BsrB I	
MbiI	
BspHI BciVI SspI EarI 	
ATCCGCTCATGAGACAATAACCCTGATAAATGCTTCAATAATATTGAAAAAGGAAGAGT	
	590
ATGAGTATTCAACATTTCCGTGTCGCCCTTATTCCCTTTTTTGCGGCATTTTGCCTTCC	649
Amp frag	
7 tinp itag	
Alw Apa	44 I L I
 TGTTTTTGCTCACCCAGAAACGCTGGTGAAAGTAAAAGATGCTGAAGATCAGTTGGGTG	
	708
	, 00
Amp frag	
BssSI Eco57I	
CACGAGTGGGTTACATCGAACTGGATCTCAACAGCGGTAAGATCCTTGAGAGTTTTCGC	
.	767
Amp frag	

Fig. 4B

ACI II Xmn I 	
CCCGAAGAACGTTTTCCAATGATGAGCACTTTTCGACCGAATAAATA	826
Amp frag	
GATCACTTCGCAGAATAAATAAATCCTGGTGTCCCTGTTGATACCGGGAAGCCCTGGGC	885
BsmB I Van91 I Esp3 I CAACTTTTGGCGAAAATGAGACGTTGATCGGCACGTAAGAGGTTCCAACTTTCACCATA	
	944
Bpu10	I
ATGAAATAAGATCACTACCGGGCGTATTTTTTGAGTTGTCGAGATTTTCAGGAGCTAAG	1003
GAAGCTAAAATGGAGAAAAAATCACTGGATATACCACCGTTGATATATCCCAATGGCA	1062
Chloramphenicol transferase ————	
TCGTAAAGAACATTTTGAGGCATTTCAGTCAGTTGCTCAATGTACCTATAACCAGACCG	1121
———— Chloramphenicol transferase ——————	

Fig. 4C

Pvu II	Dra I		
=		TAAAGAAAAATAAGCACAAGTTTI 	
	— Chloramphenicol ti	ransferase —————	
		BsaMI AccIII SnaBI AATGCTCATCCGGAATTACGTATG	GC
		TGTTCACCCTTGTTACACCGTTTT .	
 ATGAGCAAACTGAAACG		BpmI GTGAATACCACGACGATTTCCGGC	
, , , , ,	Chloramphenicol to	ransferase ————————————————————————————————————	
		TACGGTGAAAACCTGGCCTATTT(
	— Chloramphenicol to	ransferase —————	

Fig. 4D

BsmBI Esp3I Van91I	
TAAAGGGTTTATTGAGAATATGTTTTTCGTCTCAGCCAATCCCTGGGTGAGTTTCACCA	1475
————— Chloramphenicol transferase ————————————————————————————————————	
Bal I Bsp19 I Dra I Msc I Nco I GTTTTGATTTAAACGTGGCCAATATGCACAACTTCTTCGCCCCCGTTTTCACCATGGCC	1534
———— Chloramphenicol transferase —————	
Ssp I AAATATTATACGCAAGGCGACAAGGTGCTGATGCCGCTGGCGATTCAGGTTCATCATGC .	1593
BsaM I Sca I CGTTTGTGATGGCTTCCATGTCGGCAGAATGCTTAATGAATTACAACAGTACTGCGATG . .	1652
AGTGGCAGGGCGGGCGTAATTTTTTTAAGGCAGTTATTGGTGCCCTTAAACGCCTGGT	1711

Fig. 4E

BstB1 Csp45I	
TGCTACGCCTGAATAAGTGATAATAAGCGGATGAATGGCAGAAATTCGAAAGCAAATTC	1770
Tth111 I Drd I GACCCGGTCGTCAGGGCAGGGTCGTTAAATAGCCGCTTATGTCTATTGCTGGTT .	1829
Age I PinA I TACCGGTTTATTGACTACCGGAAGCAGTGTGACCGTGTGCTTCTCAAATGCCTGAGGCC	1888
Bpu10I Bcl	
AGTTTGCTCAGGCTCTCCCCGTGGAGGTAATAATTGACGATATGATCCTTTTTTTCTGA	1947
BspH I	
TCAAAAAGGATGTAGGTGAAGATCCTTTTTGATAATCTCATGACCAAAATCCCTTAACG	2006
TGAGTTTTCGTTCCACTGAGCGTCAGACCCCGTAGAAAAGATCAAAGGATCTTCTTGAG ori	2065
ATCCTTTTTTCTGCGCGTAATCTGCTGCTTGCAAACAAAAAACCACCGCTACCAGCG	2124

Fig. 4F

Eco57 I	
GTGGTTTGTTTGCCGGATCAAGAGCTACCAACTCTTTTTCCGAAGGTAACTGGCTTCAG	2183
ori	
CAGAGCGCAGATACCAAATACTGTCCTTCTAGTGTAGCCGTAGTTAGGCCACCACTTCA	2242
ori	
AlwNI	
AGAACTCTGTAGCACCGCCTACATACCTCGCTCTGCTAATCCTGTTACCAGTGGCTGCT .	2301
ori	
GCCAGTGGCGATAAGTCGTGTCTTACCGGGTTGGACTCAAGACGATAGTTACCGGATAA .	2360
ori	
Alw44 I ApaL I	
GGCGCAGCGGTCGGGCTGAACGGGGGGTTCGTGCACACAGCCCAGCTTGGAGCGAACGA	2419
ori	
CCTACACCGAACTGAGATACCTACAGCGTGAGCTATGAGAAAGCGCCACGCTTCCCGAA	2478
ori	

Fig. 4G

	BciVI		BssS I	
GGGAGAAAGGCGGACAGGTATCCGGTAA				2537
	ori			
GGAGCTTCCAGGGGGAAACGCCTGGTAT				2596
	ori			
DrdI 				
GACTTGAGCGTCGATTTTTGTGATGCTC				2655
	ori			
		В	spLU11 I	
AGCAACGCGGCCTTTTTACGGTTCCTGG				2714
TCCTGCGTTATCCCCTGATTCTGTGGAT				2773
BsrBI MbiI		Ea Sa 	rI pI	
CCGCTCGCCGCAGCCGAACGACCGAGCG				2832

Fig.4H

AseI	
VspI PvuII	
CGCCCAATACGCAAACCGCCTCTCCCCGCGCGTTGGCCGATTCATTAATGCAGCTGGCA	
.	2891
lac prompter	
Ase I	
VspI	
T	
$\tt CGACAGGTTTCCCGACTGGAAAGCGGGCAGTGAGCGCAACGCAATTAATGTGAGTTAGC$	
	2950
lac prompter	
TCACTCATTAGGCACCCCAGGCTTTACACTTTATGCTTCCGGCTCGTATGTTGTGTGGA	3009
	3009
	3009
	3009
	3009
lac prompter BsrBI MfeI	3009
lac prompter BsrBI MfeI	3009
BsrBI MfeI Mbil Munl EcoRI Dral	
Control Cont	Jru I
lac prompter BsrBI MfeI MbiI MunI EcoRI DraI ATTGTGAGCGGATAACAATTGAATTCAGGAGGAATTTAAAATGAAAAAGACAGCTATCG	Jru I
	Jru I
lac prompter BsrBI MfeI MbiI MunI EcoRI DraI ATTGTGAGCGGATAACAATTGAATTCAGGAGGAATTTAAAATGAAAAAGACAGCTATCG	Jru I

Fig. 4I

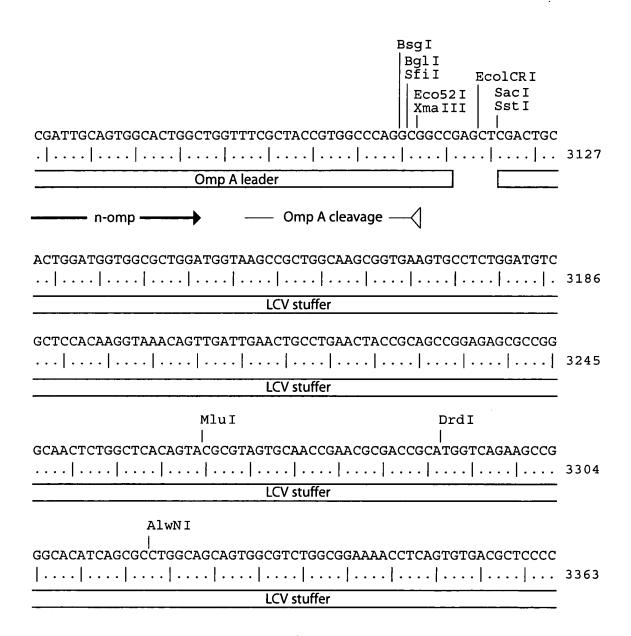


Fig. 4J

XcmI	
BstXI	
GCCGCGTCCCACGCCATCCCGCATCTGACCACCAGCGAAATGGATTTTTGCATCGAGCT	
	3422
LCV stuffer	
Bgl I	
GGGTAATAAGCGTTGGCAATTTAACCGCCAGTCAGGCTTTCTTT	
	3481
LCV stuffer	
Alw44I ApaLI	
GCGATAAAAAACAACTGCTGACGCCGCTGCGCGATCAGTTCACCCGTGCACCGCTGGAT	
	3540
LCV stuffer	
AACGACATTGGCGTAAGTGAAGCGACCCGCATTGACCCCTAACGCCTGGGTCGAACGCTG	3599
LCV stuffer	
Alw44I	
Alw441 ApaLI	
GAAGGCGGCGGCCATTACCAGGCCGAAGCAGCGTTGTTGCAGTGCACGGCAGATACAC	
	3658
LCV stuffer	

Fig. 4K

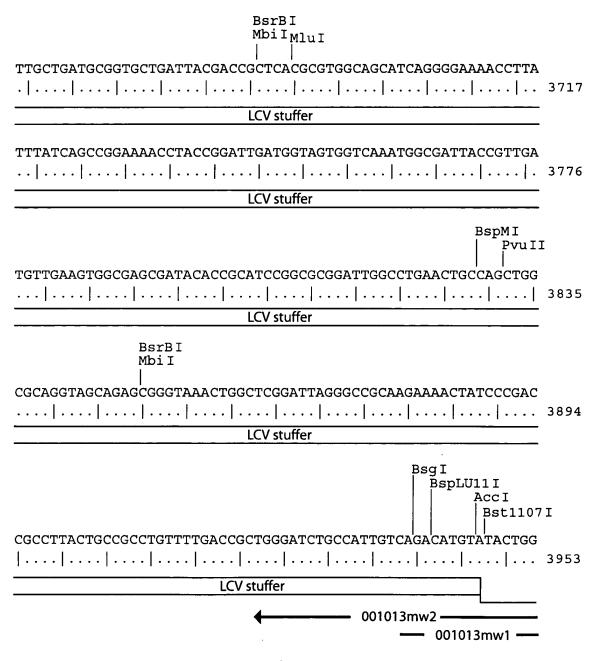


Fig. 4L

Bbs I	
CTGCACCATCTGTCTTCATCTTCCCGCCATCTGATGAGCAGTTGAAATCTGGAACTGCC	4012
————— Kappa Cns ————	
001013mw1	
Xmn I	
TCTGTTGTGCCTGCTGAATAACTTCTATCCCAGAGAGGCCAAAGTACAGTGGAAGGT	4071
———— Kappa Cns —————	
GGATAACGCCCTCCAATCGGGTAACTCCCAGGAGAGTGTCACAGAGCAGGACAGCAAGG .	4130
BbvCI Bpu10I	
ACAGCACCTACAGCCTCAGCAGCACCCTGACGCTGAGCAAAGCAGACTACGAGAAACAC	4189
Kappa Cns	
AlwNI Bpul0I AAAGTATATGCCTGCGAAGTCACCCATCAGGGCCTGAGCTTGCCCGTCACAAAGAGCTT	4248
Kappa Cns ———————————————————————————————————	

Fig. 4M

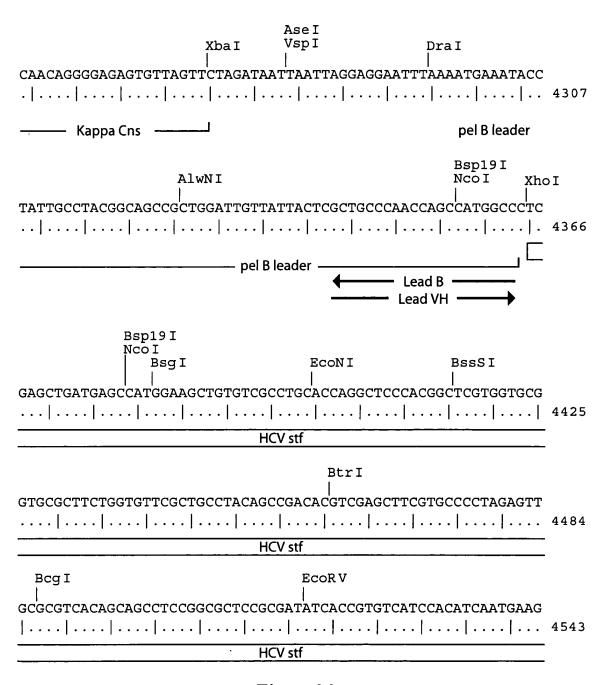


Fig. 4N

BsrBI MbiI	
TAGTGCTCCTAGACGCCCCCGTGGGGCTGGTGGCGCGGTTGGCTGACGAGAGCGGCCAC	4602
HCV stf	
Ade I Dra III GTAGTGTTGCGCTGGCTCCCGCCGCCTGAGACACCCATGACGTCTCACATCCGCTACGA .	4661
	1001
HCV stf	
Aat II Eco52 I Xma III BsmB I Esp3 I NgoM IV Nae I Nae I GGTGGACGTCTCGGCCGGCAACGGCGCAGGGAGCGTACAGAGGGTGGAGATCCTGGAGG	4720
HCV stf	
AdeI DraIII BpmI BspMI GCCGCACCGAGTGTGTGCTGAGCAACCTGCGGGGCCGGACGCGCTACACCTTCGCCGTC	4779
BssHII Bpm	I
CGCGCGCGTATGGCTGAGCCGAGCTTCGGCGGCTTCTGGAGCGCCTGGTCGGAGCCTGT	4838

Fig. 40

BssS	I
GTCGCTGACGCCTAGCGACCTCGACCCCTCATCCTGACGCTCTCCCTCATCCTCG .	4897
HCV stf	
TGGTCATCCTGGTGCTGACCGTGCTCGCGCTGCTCTCCCACCGCCGGGCTCTGAAG . .	4956
BglII Eco57I StuI EarI	
CAGAAGATCTGGCCTGGCATCCCGAGCCCAGAGAGCGAGTTTGAAGGCCTCTTCACCAC	5015
PvuII BstXI BsgI	
CCACAAGGGTAACTTCCAGCTGTGGCTGTACCAGAATGATGGCTGCCTGTGGTGGAGCC	5074
BspMI Eco47I	II
_	5133
PspOMI BbsI ApaI ApaI	5192
HCV stf	

Fig. 4P

EcoNI		
111I TCGTGGAACTCAGG	Narı Ehei Bbei 	
	Bpu10I CCCTCAGCAGCG	
		BcuI BalI MscI IGGC
	K TCGTGGAACTCAGG TCGTGGAACTCAGG CTCAGGACTCTACT CAGACCTACATCTGC CAGACCTACATCTGC CAGACCCAAATCTTGC	Bbe I TCGTGGAACTCAGGCGCCCTGACCAG TCGTGGAACTCAGGCGCCCTGACCAG BbvCI Bpu101 Bpu101 CCTCAGGACTCTACTCCCTCAGCAGCG TAGACCTACATCTGCAACGTGAATCACA BCu I Bbe I Bbe I Bbe I Bru I Bbe I Bbe I Bru I Bbe I Bbe I Bru I Bbe I Bru I

Fig. 4Q

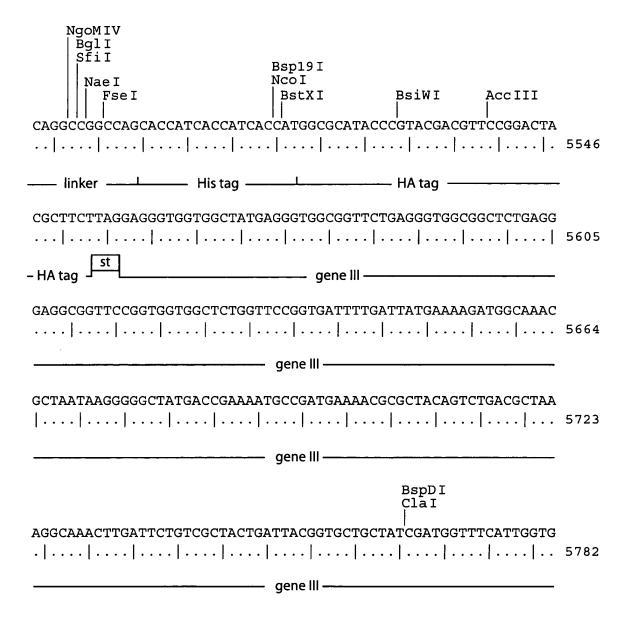


Fig. 4R

ACGTTTCCGGCCTTGCTAATGGTAATGGTGCTACTGGTGATTTTGCTGGCTCTAATTCC	
	5841
gene III	
XmnI Ss	рI
CAAATGGCTCAAGTCGGTGACGGTGATAATTCACCTTTAATGAATAATTTCCGTCAATA .	5900
gene III	
Eco47III	
TTTACCTTCCCTCCAATCGGTTGAATGTCGCCCTTTTGTCTTTAGCGCTGGTAAAC	5959
gene III	
Nde I	
CATATGAATTTCTATTGATTGTGACAAAATAAACTTATTCCGTGGTGTCTTTGCGTTT	6018
gene III ————————————————————————————————	
CTTTTATATGTTGCCACCTTTATGTATGTATTTTCTACGTTTGCTAACATACTGCGTAA	6077
gene III ————————————————————————————————	

Fig. 4S

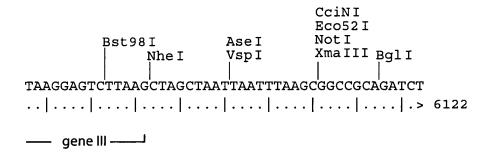


Fig. 4T

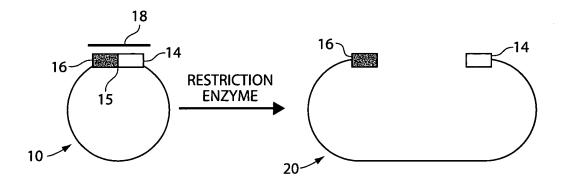


Fig. 5A

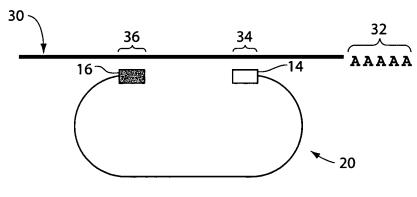


Fig. 5B

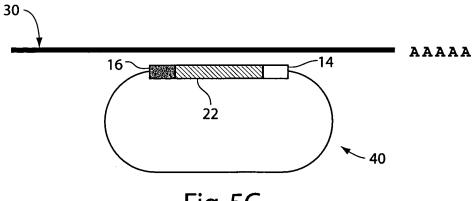


Fig. 5C

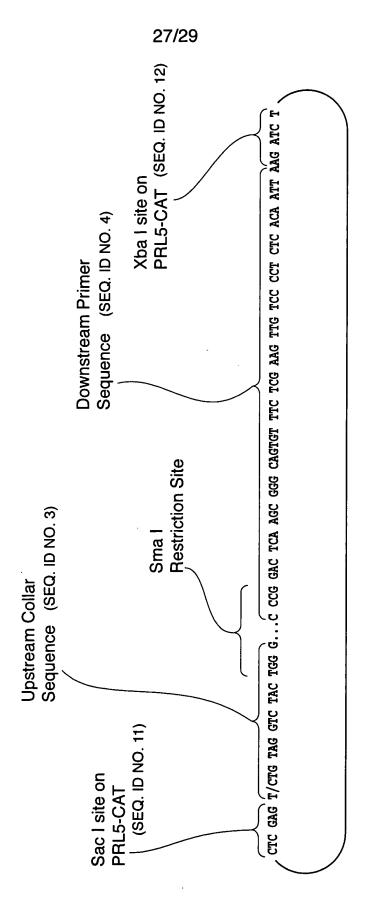


Fig.6A

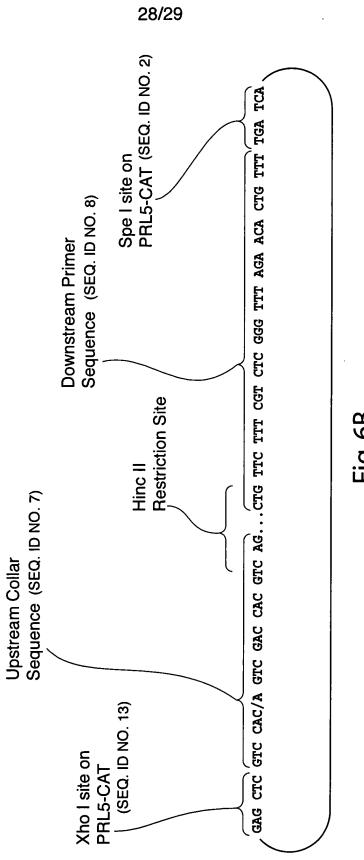


Fig. 6B



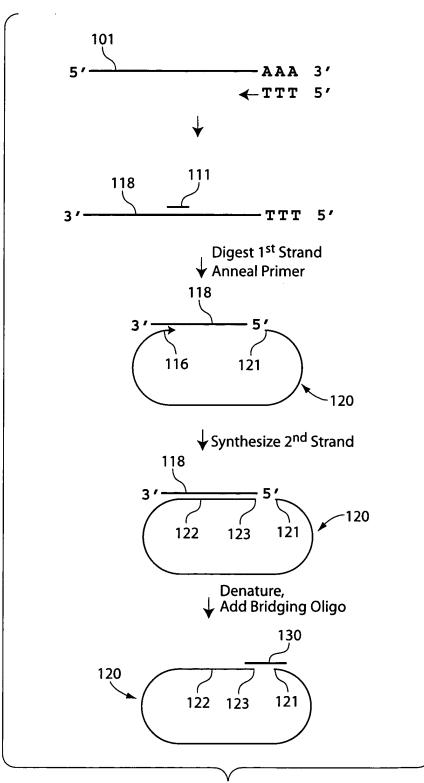


Fig. 7